



600 H 5

Patent
226/286

1632

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Bert O'Malley et al.

Serial No.: 08/959,013

Filed: October 28, 1997

For: MODIFIED STEROID HORMONES FOR
GENE THERAPY AND METHODS FOR
THEIR USE

) Group Art Unit: 1600

) Examiner: To be assigned

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In compliance with the Applicants' duty under 37 CFR 1.97-98, the following information is brought to the attention of the Examiner. The items are listed on the attached form PTO-1449 and copies are enclosed for the convenience of the Examiner.

The items identified in this Information Disclosure Statement may or may not be "material" pursuant to 37 CFR 1.56 and the submission thereof by Applicants shall not be construed as an admission that any such patent, publication or other information referred to therein is material or

SD-96089.1

CERTIFICATE OF MAILING
(37 C.F.R. §1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Karen M. Cruz

Name of Person Mailing Paper

Signature of Person Mailing Paper

December 7, 1998

Date of Deposit

BO CR G

considered to be material (37 CFR 1.97(h)), or even qualifies as "prior art" under 35 U.S.C. § 102 with respect to this invention unless specifically designated by Applicants as such.

The filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information, as defined in 37 CFR 1.56, exists.

This Information Disclosure Statement is believed to be timely in that it is being submitted under 37 CFR 1.97(b) (3) before the mailing of a first Office Action on the merits, whereby no petition or fee is required. However, if counsel for Applicant is in error in this regard, the Commissioner is requested to consider this a petition and he is authorized to charge any required petition fee to counsel's Deposit Account No. 12-2475.

Respectfully submitted,

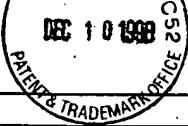
LYON & LYON LLP

Dated: December 4, 1998

By:


Charles S. Berkman
Reg. No. 38,077

633 West Fifth Street, Suite 4700
Los Angeles, California 90071-2066
(213) 489-1600

ATTY. DOCKET NO.
226/286 SERIAL NO.
08/959,013LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENTAPPLICANT:
Bert O'Malley et al.FILING DATE:
October 28, 1997 GROUP:
1600

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	AA	4,736,866	4/12/88	Leder et al.	800	1	6/22/84
	AB	5,298,422	3/29/94	Schwartz et al.	435	320.1	11/6/91
	AC	5,364,791	11/15/94	Vegeto et al.	435	320.1	5/14/92

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
X	AD	0 371 820 A2	06.06.90	EPO (Salk Institute)				
X	AE	92/22567	23.12.92	WO/PCT (USA:DHHS)				
X	AF	93/18759	30.09.93	WO/PCT (Smith et al.)				
/	AG	93/23431	25.11.93	WO/PCT (Vegeto et al.)				
/	AH	96/40911	19.12.96	WO/PCT (O'Malley et al.)				

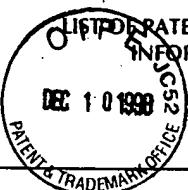
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AI	Akerblom et al., "Negative Regulation by Glucocorticoids Through Interference with a cAMP Responsive Enhancer," <u>Science</u> 241:350-353 (1988)
AJ	Allan et al., "Hormone and Antihormone Induce Distant Conformational Changes Which Are Central to Steroid Receptor Activation," <u>J. Biol. Chem.</u> 267:19513-19520 (1992)
AK	Allan et al., "Ligand-dependent conformational changes in the progesterone receptor are necessary for events that follow DNA binding," <u>Proc. Natl. Acad. Sci. USA</u> 89:11750-11754 (1992)
AL	Ashley et al., "Trinucleotide repeat expansion and human disease," <u>Annu. Rev. Genet.</u> 29:703-728 (1995)
AM	Baim et al., "A chimeric mammalian transactivator based on the lac repressor that is regulated by temperature and isopropyl β-D-thiogalactopyranoside," <u>Proc. Natl. Acad. Sci.</u> 88:5072-5076 (1991)
AN	Baniahmad et al., "The T4 activation domain of the thyroid hormone receptor is required for release of a putative corepressor(s) necessary for transcriptional silencing," <u>Mol. Cell. Biol.</u> 15:76-86 (1995)
AO	Barzel, "Estrogens in the Prevention and Treatment of Postmenopausal Osteoporosis: A review," <u>American Journal of Medicine</u> 85:847-850 (1988)
AP	Beato, "Gene Regulation by Steroid Hormones," <u>Cell</u> 56:335-344 (1989)
AQ	Beato, "Transcriptional control by nuclear receptors," <u>FASEB J.</u> 5:2044-2051 (1991)
AR	Beekman et al., "Transcriptional Activation by the Estrogen Receptor Requires a Conformational Change in the Ligand Binding Domain," <u>Molecular Endocrinology</u> 7:1266-1274 (1993)
AS	Braselmann et al., "A selective transcriptional induction system for mammalian cells based on Gal4-estrogen receptor fusion proteins," <u>Proc. Natl. Acad. Sci. USA</u> 90:1657-1661 (1993)

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with M.R.P. 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

APPLICANT:
Bert O'Malley et al.FILING DATE:
October 28, 1997GROUP:
1600

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AT	Burke et al., "Huntingtin and DRPLA proteins selectively interact with the enzyme GAPDH," <u>Nature Medicine</u> 2:347-350 (1996)
	AU	Cato et al., "Steroids and Growth Promoting Factors in the Regulation of Expression of Genes and Gene Networks," <u>J. Steroid Biochem. Molec. Biol.</u> 43:63-68 (1992)
	AV	Celada et al., "Repression of Major Histocompatibility Complex IA Expression by Glucocorticoids: The Glucocorticoid Receptor Inhibits the DNA Binding of the X Box DNA Binding Protein," <u>J. Exp. Med.</u> 177:691-698 (1993)
	AW	Chen et al., "A transcriptional co-repressor that interacts with nuclear hormone receptors," <u>Nature</u> 377:454-457 (1995)
	AX	Chu et al., "Efficiency of Cytoplasmic Delivery by pH-Sensitive Liposomes to Cells in Culture," <u>Pharmaceutical Research</u> 7:824-834 (1990)
	AY	Dahlman-Wright et al., "Interaction of the Glucocorticoid Receptor DNA-binding Domain with DNA as a Dimer Is Mediated by a Short Segment of Five Amino Acids," <u>J. Biol. Chem.</u> 266:3107-3112 (1991)
	AZ	Daneshgari et al., "Endocrine Therapy of Advanced Carcinoma of the Prostate," <u>Cancer</u> 71:1089-1097 (1993)
	BA	Denis et al., "Requirement of hormone for thermal conversion of the glucocorticoid receptor to a DNA-binding state," <u>Nature</u> 333:686-688 (1988).
	BB	Denis et al., "The Molybdate-stabilized Nonactivated Glucocorticoid Receptor Contains a Dimer of M _r 90,000 Non-hormone-binding Protein," <u>J. Biol. Chem.</u> 262:11803-11806 (1987)
	BC	Deuschle et al., "Tetracycline-reversible silencing of eukaryotic promoters," <u>Mol. Cell. Biol.</u> 15:1907-1914 (1995)
	BD	Diamond et al., "Transcriptional Factor Interactions: Selectors of Positive or Negative Regulation from a Single DNA Element," <u>Science</u> 249:1266-1272 (1990)
	BE	Dobson et al., "Mutational Analysis of the Chicken Progesterone Receptor," <u>J. Biol. Chem.</u> 264:4207-4211 (1989)
	BF	Dreicer and Wilding, "Steroid Hormone Agonists and Antagonists in the Treatment of Cancer," <u>Cancer Investigation</u> 10:27-41 (1992)
	BG	Drouin et al., "Glucocorticoid Receptor Binding to a Specific DNA Sequence is Required for Hormone-Dependent Repression of Pro-Opiomelanocortin Gene Transcription," <u>Molecular and Cellular Biology</u> 9:5305-5314 (1989)
	BH	Evans, "The Steriod and Thyroid Hormone Receptor Superfamily," <u>Science</u> 240:889-895 (1988)
	BI	Figge et al., "Stringent regulation of stably integrated chloramphenicol acetyl transferase genes by <i>E. coli</i> lac repressor in monkey cells," <u>Cell</u> 52:713-722 (1988)
	BJ	Friedman et al., "KAP-1, a novel corepressor for the highly conserved KRAB repression domain," <u>Gene and Dev.</u> 10:2067-2078 (1996)
	BK	Fuller et al., "The steroid receptor superfamily: mechanisms of diversity," <u>FASEB J.</u> 5:3092-3099 (1991)
	BL	Gauthier et al., "Functional interference between the Spi-1/Pu.1 oncprotein and steroid hormone or vitamin receptors," <u>EMBO J.</u> 12:5089-5096 (1993)
	BM	Gerber et al., "Transcriptional activation modulated by homopolymeric glutamine and proline stretches," <u>Science</u> 263:808-811 (1994)
	BN	Goodrich et al., "Drosophila TAF-40 interacts with both a VP16 activation domain and the basal transcription factor TFIIB," <u>Cell</u> 75:519-530 (1993)
	BO	Goodrich et al., "TBP-TAF complexes: selectivity factors for eukaryotic transcription," <u>Curr. Opin. in Cell Biol.</u> 6:403-409 (1994)

EXAMINER:

DATE CONSIDERED: 12/01/1991

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

U.S. PATENTS AND OTHER ITEMS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT
OCT 10 1998 (Use several sheets if necessary)

ATTY. DOCKET NO. 226/286	SERIAL NO. 08/959,013
APPLICANT: Bert O'Malley et al.	
FILING DATE: October 28, 1997	GROUP: 1600

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BP	Gossen et al., "Tight control of gene expression in mammalian cells by tetracycline-responsive promoters," <u>Proc. Natl. Acad. Sci.</u> 89:5547-5551 (1992)
BQ	Gossen et al., "Transcriptional activation by tetracyclines in mammalian cells," <u>Science</u> 268:1766-1769 (1995)
BR	Greene et al., "Establishment of a noradrenergic clonal line of rat adrenal pheochromocytoma cells which respond to nerve growth factor," <u>Proc. Natl. Acad. Sci.</u> 73:2424-2428 (1976)
BS	Haensler and Szoka, "Synthesis and Characterization of a Trigalactosylated Bisacridine Compound to Target DNA to Hepatocytes," <u>Bioconjugate Chem.</u> 4:85-93 (1993)
BT	Heck et al., "A distinct modulating domain in glucocorticoid receptor monomers in the repression of activity of the transcription factor AP-1," <u>EMBO J.</u> 13:4087-4095 (1994)
BU	Hollenberg and Evans, "Multiple and Cooperative Trans-Activation Domains of the Human Glucocorticoid Receptor," <u>Cell</u> 55:899-906 (1988)
BV	Horlein et al., "Ligand-independent repression by the thyroid hormone receptor mediated by a nuclear receptor co-repressor," <u>Nature</u> 377:397-403 (1995)
BW	Howard and Distelhorst, "Evidence for Intracellular Association of the Glucocorticoid Receptor with the 90-kDa Heat Shock Protein," <u>J. Biol. Chem.</u> 263:3474-3481 (1988)
BX	Ito et al., "Transformation of intact yeast cells treated with Alkali cations," <u>J. Bacteriol.</u> 153:163-168 (1983)
BY	Jonat et al., "Antitumor Promotion and Antiinflammation: Down-Modulation of AP-1 (Fos/Jun) Activity by Glucocorticoid Hormone," <u>Cell</u> 62:1189-1204 (1990)
BZ	Kamei et al., "A CBP integrator complex mediates transcriptional activation and AP-1 inhibition by nuclear receptors," <u>Cell</u> 85:403-414 (1996)
CA	Kawai and Nishizawa et al., "New Procedure for DNA Transfection with Polycation and Dimethyl Sulfoxide," <u>Molecular and Cellular Biology</u> 4:1172-1174 (1984)
CB	Kellendonk et al., "Regulation of Cre recombinase activity by the synthetic steroid RU 486," <u>Nucleic Acids Research</u> 24(8):1404-1411 (1996)
CC	Kerppola et al., "Fos is a Preferential Target of Glucocorticoid Receptor Inhibition of AP-1 Activity In Vitro," <u>Molecular and Cellular Biology</u> 13:3782-3791 (1993)
CD	Kuhl et al., "Trinucleotide repeats and genome variation," <u>Curr. Opin. in Genet. Dev.</u> 3:404-407 (1993)
CE	Kuroh et al., "Functional Interference between the Ubiquitous and Constitutive Octamer Transcription Factor 1 (OTF-1) and the Glucocorticoid Receptor by Direct Protein-Protein Interaction Involving the Homeo Subdomain of OTF-1," <u>Molecular and Cellular Biology</u> 12:4960-4969 (1992)
CF	Lanz and Rusconi, "A Conserved Carboxy-Terminal Subdomain Is Important for Ligand Interpretation and Transactivation by Nuclear Receptors," <u>Endocrinology</u> 135:2183-2195 (1994)
CG	Lanz et al., "Active, interactive, and inactive steroid receptor mutants," <u>Steroids</u> 59:148-152 (1994)
CH	Lebeau et al., "P59, an hsp 90-binding Protein," <u>J. Biol. Chem.</u> 267:4281-4284 (1992)
CI	Lee et al., "Glucocorticoids regulate expression of dihydrofolate reductase cDNA in mouse mammary tumour virus chimaeric plasmids," <u>Nature</u> 294:228-232 (1981)
CJ	Legendre and Szoka, "Cyclic Amphiphatic Peptide-DNA Complexes Mediate High-efficiency Transfection of Adherent Mammalian Cells," <u>Proc. Natl. Acad. Sci. USA</u> 90:893-897 (1993)
CK	Legendre and Szoka, "Delivery of Plasmid DNA into Mammalian Cell Lines Using pH-Sensitive Liposomes: Comparison with Cationic Liposomes," <u>Pharmaceutical Research</u> 9:1235-1242 (1992)

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this page with next communication to applicant.

O LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
 DEC 10 1998 25
 (Use several sheets if necessary)

APPLICANT:
Bert O'Malley et al.FILING DATE:
October 28, 1997 GROUP:
1600

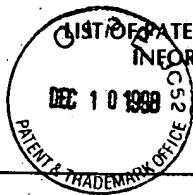
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	CL	Lerner et al., "Isolation of subtilisin of pro-sequence mutations that affect formation of active protease by localized random polymerase chain reaction mutagenesis," <u>J. Biol. Chem.</u> 265:20085-20086 (1990)
	CM	Liu et al., "Hormone-Independent Repression of AP-1-Inducible Collagenase Promoter Activity by Glucocorticoid Receptors," <u>Molecular and Cellular Biology</u> 15:1005-1013 (1995)
	CN	Lucibello et al., "Mutual transrepression of Fos and the glucocorticoid receptor: involvement of a functional domain in Fos which is absent in FosB," <u>EMBO J.</u> 9:2827-2834 (1990)
	CO	Mak et al., "Expression of Functional Chicken Oviduct Progesterone Receptors in Yeast (<u>Saccharomyces cerevisiae</u>)," <u>J. Biol. Chem.</u> 264:21613-21618 (1989)
	CP	Malchoff et al., "A mutation of the glucocorticoid receptor in primary cortisol resistance," <u>J. Clin. Invest.</u> 91:1918-1925 (1993)
	CQ	Margolin et al., "Kruppel-associated boxes are potent transcriptional repression domains," <u>Proc. Natl. Acad. Sci.</u> 91:4509-4513 (1994)
	CR	Mayo et al., "The mouse metallothionein-I gene is transcriptionally regulated by cadmium following transfection into human or mouse cells," <u>Cell</u> 29:99-108 (1982)
	CS	McDonnell et al., "Reconstitution of the Vitamin D-Responsive Osteocalcin Transcription Unit in <u>Saccharomyces cerevisiae</u> ," <u>Molecular and Cellular Biology</u> 9:3517-3523 (1989)
	CT	McKnight, "Transcription revisited: A commentary on the 1995 Cold Spring Harbor Laboratory Meeting, 'Mechanisms of eukaryotic transcription,'" <u>Genes Dev.</u> 10:367-381 (1996)
	CU	Mendel et al., "Molybdate-stabilized Nonactivated Glucocorticoid-Receptor Complexes Contain a 90-kDa Non-steroid-binding Phosphoprotein That is Lost on Activation," <u>J. Biol. Chem.</u> 261:3758-3763 (1986)
	CV	Miller, "Assay of β -Galactosidase," <u>Experiments in Molecular Genetics</u> , Cold Spring Harbor Laboratories, pp. 352-355 (1972)
	CW	Miner et al., "Joints in the Regulatory Lattice: Composite Regulation by Steroid Receptor-AP1 Complexes," <u>Cell Growth & Differentiation</u> 2:525-530 (1991)
	CX	Misrahi et al., "Complete amino acid sequence of the human progesterone receptor deduced from cloned cDNA," <u>Biochem. Biophys. Res. Comm.</u> 143:740-748 (1987)
	CY	Mordacq and Linzer, "Co-localization of elements required for phorbol ester stimulation and glucocorticoid repression of proliferin gene expression," <u>Genes & Development</u> 3:760-769 (1989)
	CZ	No et al., "Ecdysone-inducible gene expression in mammalian cells and transgenic mice," <u>Proc. Natl. Acad. Sci. USA</u> 93:3346-3351 (1996)
	DA	O'Malley and Tsai, "Molecular Pathways of Steroid Receptor Action," <u>Biology of Reproduction</u> 46:163-167 (1992)
	DB	Onate et al., "Sequence and characterization of a coactivator for the steroid hormone receptor superfamily," <u>Science</u> 270:1354-1357 (1995)
	DC	Oro et al., "Transcriptional Inhibition by a Glucocorticoid Receptor-Gatactosidase Fusion Protein," <u>Cell</u> 55:1109-1114 (1988)
	DD	Palmiter and Brinster, "Germ-line Transformation of Mice," <u>Ann. Rev. Genet.</u> 20:465-499 (1986)
	DE	Pfahl, "Nuclear Receptor/AP-1 Interaction," <u>Endocrine Reviews</u> 14:651-658 (1993)
	DF	Picard et al., "Signal transduction by steroid hormones: nuclear localization is differentially regulated in estrogen and glucocorticoid receptors," <u>Cell Regulation</u> 1:291-299 (1990)

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.



CITATION OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

DECEMBER 10, 1998 (Use several sheets if necessary)

ATTY. DOCKET NO.
226/286SERIAL NO.
08/959,013APPLICANT:
Bert O'Malley et al.FILING DATE:
October 28, 1997GROUP:
1600

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DG	Pratt et al., "The hsp56 Immunophilin Component of Steroid Receptor Heterocomplexes: Could This be the Elusive Nuclear Localization Signal-Binding Protein?" <u>J. Steroid Biochem. Molec. Biol.</u> 3:269-279 (1993)
DH	Pugh, "Mechanisms of transcription complex assembly," <u>Curr. Opin. in Cell Biol.</u> 8:303-311(1996)
DI	Rao and Slotman, "Endocrine Factors in Common Epithelial Ovarian Cancer," <u>Endocrine Reviews</u> 12:14-26 (1991)
DJ	Ray and Prefontaine, "Physical association and functional antagonism between the p65 subunit of transcription factor NF- κ B and the glucocorticoid receptor," <u>Proc. Natl. Acad. Sci. USA</u> 91:752-756 (1994)
DK	Rexin et al., "Structure of the Glucocorticoid Receptor in Intact Cells in the Absence of Hormone," <u>J. Biol. Chem.</u> 267:9619-9621 (1992)
DL	Ross et al., "Genes with triplet repeats: Candidate mediators of neuropsychiatric disorders," <u>Trends in Neurosci</u> 16:254-260 (1993)
DM	Sanchez et al., "Evidence that the 90-kDa Phosphoprotein Associated with the Untransformed L-cell Glucocorticoid Receptor is a Murine Heat Shock Protein," <u>J. Biol. Chem.</u> 260:12398-12401 (1985)
DN	Sanchez et al., "Hormone-free Mouse Glucocorticoid Receptors Overexpressed in Chinese Hamster Ovary Cells Are Localized to the Nucleus and Are Associated with Both hsp70 and hsp90," <u>J. Biol. Chem.</u> 265:20123-20130 (1990)
DO	Sanchez et al., "Relationship of the 90-kDa Murine Heat Shock Protein to the Untransformed and Transformed States of the L Cell Glucocorticoid Receptor," <u>J. Biol. Chem.</u> 262:6986-6991 (1987)
DP	Schule and Evans, "Cross-coupling of signal transduction pathways: zinc finger meets leucine zipper," <u>Trends in Genetics</u> 7:377-381 (1991)
DQ	Schule et al., "Functional Antagonism between Oncoprotein c-Jun and the Glucocorticoid Receptor," <u>Cell</u> 62:1217-1226 (1990)
DR	Seed and Sheen, "A simple phase-extraction assay for chloramphenicol acyltransferase activity," <u>Gene</u> 67:271-277 (1988)
DS	Seipel et al., "C-terminal domain (CTD) of RNA-polymerase II and N-terminal segment of the human TATA binding protein (TBP) can mediate remote and proximal transcriptional activation, respectively," <u>Nucl. Acid Res.</u> 21:5609-5615 (1993)
DT	Servadio et al., "Expression analysis of the ataxin-1 protein in tissues from normal and spinocerebellar ataxia type 1 individuals," <u>Nature Genet.</u> 10:94-98 (1995)
DU	Smith and Toft, "Steroid Receptors and Their Associated Proteins," <u>Molecular Endocrinology</u> 7:4-11 (1993)
DV	Stromstedt et al., "The Glucocorticoid Receptor Binds to a Sequence Overlapping the TATA Box of the Human Osteocalcin Promoter: a Potential Mechanism for Negative Regulation," <u>Molecular and Cellular Biology</u> 11:3379-3383 (1991)
DW	Sunderland and Osborne, "Tamoxifen in Premenopausal Patients with Metastatic Breast Cancer: A Review," <u>J. Clinical Oncology</u> 9:1283-1297 (1991)
DX	Touray et al., "Characterisation of functional inhibition of the glucocorticoid receptor by Fos/Jun," <u>Oncogene</u> 6:1227-1234 (1991)
DY	Trottier et al., "Cellular localization of the Huntington's disease protein and discrimination of the normal mutated form," <u>Nature Genet.</u> 10:104-110 (1995)
DZ	Tsai and O'Malley, "Molecular Mechanisms of Action of Steroid/Thyroid Receptor Superfamily Members," <u>Ann. Rev. Biochem.</u> 63:451-486 (1994)
EA	Tsai et al., "Cooperative Binding of Steroid Hormone Receptors Contributes to Transcriptional Synergism at Target Enhancer Elements," <u>Cell</u> 57:443-448 (1989)

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant:

CITATION OF PATENTS AND OTHER ITEMS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT

DEC 10 1998

(Use several sheets if necessary)



ATTY. DOCKET NO.	SERIAL NO.
226/286	08/959,013
APPLICANT:	
Bert O'Malley et al.	
FILING DATE:	GROUP:
October 28, 1997	1600

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EB	Tsai et al., "Molecular Interactions of Steroid Hormone Receptor with its Enhancer Element: Evidence for Receptor Dimer Formation," <u>Cell</u> 55:361-369 (1988)
EC	Tverberg and Russo, "Cell-specific Glucocorticoid Repression of Calcitonin/Calcitonin Gene-related Peptide Transcription," <u>J. Biol. Chem.</u> 267:17567-17573 (1992)
ED	Umesono and Evans, "Determinants of Target Gene Specificity for Steroid/Thyroid Hormone Receptors," <u>Cell</u> 57:1139-1146 (1989)
EE	Vegeto et al., "The Mechanism of RU486 Antagonism Is Dependent on the Conformation of the Carboxy-Terminal Tail of the Human Progesterone Receptor," <u>Cell</u> 69:703-713 (1992)
EF	Veldscholte et al., "Anti-androgens and the mutated androgen receptor of LNCap cells: Differential effects on binding affinity, heat-shock protein interaction, and transcription activation," <u>Biochemistry</u> 31:2393-2399 (1992)
EG	Wang et al., "A regulatory system for use in gene transfer," <u>Proc. Natl. Acad. Sci. USA</u> 91:8180-81814 (1994)
EH	Ward, "Single-step purification of shuttle vectors from yeast for high frequency back-transformation into <i>E. coli</i> ," <u>Nucleic Acids Research</u> 18:5319 (1990)
EI	Webster et al., "The Hormone-Binding Domains of the Estrogen and Glucocorticoid Receptors Containing an Inducible Transcription Activation Function," <u>Cell</u> 54:199-207 (1988)
EJ	Wegner et al., "POU-domain proteins: Structure and function of developmental regulators," <u>Curr. Opin. in Cell Biol.</u> 5:488-498 (1993)
EK	Witzgall et al., "Kid-1, a putative renal transcription factor: Regulation during ontogeny and in response to ischemia and toxic injury," <u>Mol. Cell. Biol.</u> 13:1933-1942 (1993)
EL	Witzgall et al., "The Kruppel-associated box-A (KRAB-A) domain of zinc finger proteins mediates transcriptional repression," <u>Proc. Natl. Acad. Sci.</u> 91:4514-4518 (1994)
EM	Wurtz et al., "A canonical structure for the ligand-binding domain of nuclear receptors," <u>Nature Structural Biology</u> 3(1):87-94 (1996)
EN	Yang-Yen et al., "Transcriptional Interference between c-Jun and the Glucocorticoid Receptor: Mutual Inhibition of DNA Binding Due to Direct Protein-Protein Interaction," <u>Cell</u> 62:1205-1215 (1990)
EO	Yazawa et al., "Abnormal gene product identified in hereditary dentatorubral-pallidoluysian atrophy (DRPLA) brain," <u>Nature Genet.</u> 10:99-103 (1995)
EP	Yem et al., "The Hsp56 Component of Steroid Receptor Complexes Binds to Immobilized FK506 and Shows Homology to FKBP-12 and FKBP-13," <u>J. Biol. Chem.</u> 267:2868-2871 (1992)

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.